

*Phenomena 7*  
**Dopton,**

notification, for this yeere of

1612. *1612. 465*

Being Bissextill or  
leape yeare. *532. a 6.*

meridian & latitude of the wor-  
thy towne of Shrewsbury, aptly  
seruing all the adiacent shires,  
indifferently the South parts  
of Great Brittain, and generally  
the whole continent.

*Sapiens Dominabitur Astris.*

company of Stationers.

To know the hour of the day without Clock or Diall.

**T**Ake an Arrow, Ruler, or what stick you will, so it bee some-thing straight, and of what length you will, so it bee indifferently deuised into 12. equall parts, 12 of your thumbs breadth may well suffice, so doth your thumb deuise the same.

Now when you would know the houre of the day, the sunne shining, erect your ruler vpon some plaine superficies lying leuell, so that it may hang or stand perpendicular vpon the leuelled surface, which you may easily doe obseruing the directions in my Almanack 1608.

Then note the length of the shadow of the said rule, and at either end thereof make a marke: now take your rule and measure the length of the said shadow before noted, and see how many of the equall parts of your rule it containes, then resort vnto the tables placed in the head of each month, and there chuse the table answering to your moneth, and also the day of the moneth, or the nextest you can finde, & agreeing with the day of the moneth right-wards finde the number of equall parts which the length of the shadow containeth: then if your observations were before noone, you shall finde the houre of the day in the top of the table, if in the afternoon, in the fote, as is plaine by the inscriptions. And note that the dayes of the moneth be placed vpon the leaft hand, each table th'ise, as in Aprill, II 21. 30.

Example. The 21 of Aprill in the forenoone, I finde according to the former instructions the length of the shadow to containe 38 parts of my rule, which is three times his length, and  $\frac{2}{3}$  parts, or two parts ouer, which 38. parts hauing found in my table answering to the 21 of Aprill I find ouer the head thereof y figure 6. which sheweth it was in the sixe of the clock before noone: likewise had it bene 6 if your observation had bene after noone: so of any other, and so want of the last day of the month, or true parts of y shadow, take the nextest by proportion: the same may the hodepor or traveler do, if he first stand by right and note the length of his shadow and then measure it by his Rides, calling euery Of the 12. parts and so enter the table as before.

Vulgar notes of the

English Kalender for this  
Julian or Soligenous  
yeare 1612.

Romaine Kalender for this  
Lilian or Gregorian  
yeare 1612.

The golden number	17	Aureus numerus	17
The circle of the sunne.	25	Cyclus Solaris	25
The Roman Indiction	10	Liter Dominicalis	
The Epact	7	Indictio Romana	10
From Christmas daye to Shrove-sunday, 8 weekes, 4 dayes.		Epacta	27
From Shrove-sunday to the Anne of Mary, week 4 d 3		Intercallum minus, seu nu- merus hebdomadarum et die- rum inter natalem Domini, et esto mihi, hebd. 10, dies 0.	
First Sunday in Lent Mar. 1		Quadragesima.	Mar 11
April 12		Dominica paschat	Apr 22
May. 21		Ascensio Domini.	May 31
May. 21		Pentecoste	June, 10
Novem. 22		Adventus Domini	Decem 3
Bethelst Trinity & Advent Sunday	weeks. 24	Dominica post Trinitatis,	23.

Taouching the Epact, know therefore that it is no other  
thing then an excesse of 11 dayes, which the comen solar  
yeare doth exceed the common lunar yeare: the one consist-  
ing of 365 dayes, the other of 354. dayes, and therefore they ad-  
d that excess- unto the lunar yeare to coequate them: for Epact  
signifieth things added or put too, and because by the addition  
of this excess- in every 4. yeares it doth exceed 20 more then  
which the Epact cannot be, because from change to change  
there can be but 30. dayes, therefore 30. must be taken from  
the sa'd excesse, and the remainder is the Epact for the next  
yeare. As this yeare the Epact is 26, to which ad 11. shall  
you 37. from which take 30. so have you 7. the Epact 1612  
g ii.

The Anatomy of man's body, and the government  
of the members thereof by the Moones accord-  
ing to her course in the 12. signes of the Zodiac.

Aries, the head and face.

Taurus,  
The neck  
& throate

Cancer,  
Breast &  
tomacke.

Virgo,  
Guts and  
lelly.

Scorpio.  
Secret &  
members

Capri-  
cornus.  
The  
Knees.



Gemini,  
the armes  
& thulde.

Leo,  
Heart and  
back.

Libra.  
Reynes  
& loynes.

Sagita-  
rius.  
Thighes

Aqua-  
rius,  
The  
Legges.

Pisces. The feete.

Aries head, Taurus neck, Gemini armes require,  
Cancer breast, Leo heart, Virgo guttes desire :  
Libra loynes, Scorpio secrets, Sagittarius thighes,  
Capricorne knees, Aquarius legs, and Pisces feete supplies.

Ianuarie.



January hath xxxi. dayes.

Houres before noone.		12	11	10	9	8
Length of parts of shadow for the	10. day	26	39	49	83	550
	20. day	32	34	42	65	209
	30. day	27	29	35	119	sun set.

Houres after noone.			1	2	3	4
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1	a		11	Aur. 23
2	b	Octa. Steph.	12	Taur. 6
3	c	Octa. of Ioh	13	Tau. 16
4	d	Octa. Ianoc.	14	Gemi. 3
5	e	Edwa. depos.	15	Gemi. 17
6	f		16	Can. 1
7	g	Felix & Ian.	17	Can. 16
8	a	Lucian priest	18	Leo. 0
9	b	Agapit virg.	19	Leo. 15
10	c	Paul first her.	20	Airg. 0
11	d	Linus mart.	21	Airg. 15
12	e	1. sun. af. Ept.	22	Airg. 30
13	f	Hillary bishop	23	Liby. 14
14	g	Med. coms in	24	Liby. 28
15	a	Maurice.	25	Scor. 11
16	b	Marcellus.	26	Scor. 25
17	c	Antho. depos.	27	Sagit. 7
18	d	Pisica virg.	28	Sag. 20
19	e	2. sun. af. Ept.	29	Capr. 3
20	f	Octab. Hillar.	30	Capr. 14
21	g	Aguis. virg.	31	Capr. 26
22	a	Vincent mar.	Fe	Aqua. 7
23	b		2	Aqu. 19
24	c	Timothy.	3	Pisce. 1
25	d	Con. of Paul	4	Pis. 12
26	e	3. sun. af. Ept.	5	Pis. 26
27	f	Quind. Hillar.	6	Aries. 6
28	g	Policarp. bish	7	Arie. 18
29	a	Theod. priest.	8	Taur. 1
30	b	Batls. queen.	9	Tau. 14
31	c	Satn. & Aict.	10	Tau. 27

**Full Moone**  
the viii. day,  
at viii. of the  
clock in the mor-  
ning, and eight  
minuts.

**Last quarter**  
the xiiii. day,  
at nine of the  
clock at night.

**New Moone**  
the xxi. day  
at viii. of the  
clock at night.

**First quarter**  
the xxx. day,  
at x. at night.

February hath xxix. dayes.

Hou. before noone.	12	11	10	9	8	7	
parts of	8. day	23	25	30	42	80	6
Shadow	18. day	20	21	25	54	61	226
for the	28. day	17	8	22	29	4	112
Hou. after noone		1	2	3	4	5	

1	d	Briget.	11	Gem. 17
2			12	Gem. 25
3	f	Craft. Purifi.	13	Canc. 9
4	g	Gilbert bishop	14	Can. 24
5	a	Agathe virg.	15	Leo. 9
6	b	Dorothee virg.	16	Leo. 24
7	c	Angile bishop	17	Virg. 9
8	d	Med. out I. d.	18	Air. 24
9		Septuagesima	19	Libra. 8
10	e	Octa. Purifica.	20	Libr. 23
11	f		21	Scor. 7
12	a		22	Scor. 20
13	b	Molitor.	23	Sagit. 3
14	c	Valentine.	24	Sag. 16
15	d	Faustin.	25	Sag. 29
16		Sexagesima.	26	Cap. 11
17	e	Polycrou bish.	27	Cap. 23
18	f	Simeon.	28	Aqua. 5
19	g	Prince H. born	29	Aqu. 17
20	a	Mildred. vir.	30	Aqua. 28
21	b	70. Martyna.	1	Disc. 10
22	c	Peters chaire	2	Disc. 22
23	d	Ado mihi.	3	Arie. 3
24	e		4	Arie. 15
25	f		5	Arie. 28
26	g	Ashwe. nesda.	6	Tau. 10
27	a	Restor. met.	7	Tau. 23
28	b	Agust. bish.	8	Gem. 7
29	c	Oswald bish.	9	Gem. 20

Full Moone  
the vi. daye,  
at iii. of the clock  
and 2. min.

Last quarter,  
the xiii. daye,  
at xi. of the clocke  
& 7. before high  
noone.

New Moone  
the xxi. daye,  
39. min. t. after  
two after noone.

First quarter  
the xxix. daye,  
21 min. after x.  
before noone.

March hath xxxi. dayes.

h. before noone.	12	11	10	9	8	7	6
parts of shadow for the	12. d. 15	16	19	24	37	74	sun set
	22 d 13	14	16	21	30	54	221
	31 d. 11	12	14	18	26	43	212
h. after noone.	1	2	3	4	5	6	

1		Quadragesim.	11	Canc.	4
2	e	Chadde bish.	12	Can.	18
3	f	Marcelline.	13	Leo.	3
4	g	Emilian.	14	Leo.	18
5	a	Force & Ense.	15	Airg.	3
6	b	Dorothee virg.	16	Airg.	17
7	c	Perpet. & felix	17	Libra.	2
8		Rem niscere.	18	Libra.	17
9	e	EL Martyrs	19	Scorp.	1
10	f	Agapite.	20	Scorp.	15
11	g	Solin & rics.	21	Scorp.	28
12	a	Gregory.	22	Sag.	11
13	b	Theod mart.	23	Sag.	24
14	c	Candid. mart.	24	Capri.	7
15		3 sun. in Lent	25	Capri.	19
16	e	Querine mar.	26	Aqua.	1
17	f	Patriek.	27	Aqua.	13
18	g	Edward. King	28	Aqua.	25
19	a	Joseph mart.	29	Pisc.	7
20	b	Euthbert.	30	Pisc.	19
21	c	Benedictus.	31	Aries.	1
22		4 sun. in Lent	Ap	Arie.	13
23	e	Theodor bish.	2	Arie.	25
24	f	Marcelline.	3	Taur.	7
25	g	Marcelline.	4	Taur.	20
26	a	Castor mar. & r	5	Gem.	3
27	b	Marcelline.	6	Gem.	16
28	c	Dorothee virg.	7	Gem.	30
29		5 sun. in Lent	8	Can.	14
30	e	Marcelline.	9	Can.	28
31	f	Anselme.	10	Leo.	12

Full Moone  
the vii. day,  
before one a clock  
in the morning.

Last quarter  
the xlii. day  
24 minut. after  
three in the mor-  
ning.

New Moone,  
the xlii. day,  
at vii. a clocke  
and 41. min. the  
morning.

First quarter,  
the xlii. day,  
10. min. after vii  
of the clock at  
night.

h. before noone.	12	11	10	9	8	7	6	5
parts of shadow for the	10. d. 10	11	13	16	23	36	76	infini.
	21. d. 9	9	11	15	21	31	58	267
	31. d. 8	8	10	14	19	28	49	139

h. after noone.	1	2	3	4	5	6	7
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1	g	Theodor. vir.	11	Leo. 27
2	a	Mary Egyp.	12	Virg. 11
3	b	Rich. bishop.	13	Vir. 17
4	c	Ambrose bish.	14	Libi. 11
5	d	Palme sund.	15	Libi. 25
6	e	Egippus.	16	Scor. 9
7	f	Mileri. Domi.	17	Scor. 23
8	g	Quind Pasch.	18	Sagit. 6
9	a	Passion. 7 vir.	19	Sax. 19
10	b	Julii bishop.	20	Capri. 2
11	c	Jonas bish.	21	Cap. 15
12	d	Jonas bish.	22	Cap. 27
13	e	Zenon bishop.	23	Aqu. 9
14	f	Iubilate.	24	Aqua. 21
15	g	Tres pasche.	25	Pisce. 3
16	a	Ilodore bish.	26	Pisce. 16
17	b	Anicete bish.	27	Pisce. 28
18	c	Clutherus.	28	Arie. 10
19	d	Clutherus.	29	Arie. 20
20	e	Med. com. in	30	Taur. 4
21	f	Cantate.	31	Tan. 17
22	g	Menſe pasch.	2	Tau 30
23	a	mart.	3	Gem. 13
24	b	Al. Iſrid	4	Gem. 26
25	c		5	Can. 10
26	d	Clete Biſhop.	6	Can. 24
27	e	Quinq. Paſch.	7	Leo. 18
28	f	Erkenwalde.	8	Leo. 23
29	g		9	Virgo. 7
30	a	Erkenwalde.	10	Virg. 22

Full Moone  
the v. daye,  
at x of the clock  
and 28. minutes  
before noone.

Last quarter,  
the xii. day,  
11. minut. after  
ix. after noone.

New Moone  
the xx. daye,  
at x. at night.

First quarter  
the xxviii. day  
8. minutes after  
one of the clocke  
in the morning.

h. before noone.	12	11	10	9	8	7	6	5	4	
parts of	12. D	7	8	10	13	17	26	43	100	infin.
shadow	22. D	7	7	9	12	17	24	39	82	2580
for the	31. D	6	7	9	12	16	23	37	74	365
h. after noone.	1	2	3	4	5	6	7	8		

1	b		11	Libra. 6	
2	c	Archana. b. sh.	12	Libra. 21	Full Moone,
3		Iubilate.	13	Scor. 4	the xiii. day,
4	e	Tres Pascha.	14	Scor. 18	at ix. of the clock
5	f	Goddard.	15	Sagit. 1	at night, being
6	g	Ioh. Pont lat	16	Sagit. 14	Eclipsed in ♄.
7	a	Ioh. of Bene.	17	Sag. 27	
8	b	Appa. l. Rich	18	Capr. 10	
9	c	Tran. of Ric	19	Cap. 22	Last quarter,
10		Cantate.	20	Aquar. 5	the xii. daye,
11	e	Mente pasch	21	Aqua. 17	3. min. after iii.
22	f		22	Aqua. 30	afternoone.
13	g	Servitius.	23	Pisces. 11	
14	a	Boniface bish.	24	Pisces. 23	
15	b	Isidore mart.	25	Aries. 6	
16	c	Sophie.	26	Aries. 18	New Moone
17		Voc. lucund.	27	Taur. 0	the xx. daye,
18	e	Quinq. Pasch.	28	Taur. 13	at ix. of the clock
19	f	Med. coms ip	29	Taur. 26	and 43. minutes
20	g	Baruadine.	30	Gem. 9	before noone, the
21	a		31	Gem. 23	same being E.
22	b	Craft. ascenti.	Ju	Can. 6	clipsed in ♄.
23	c	Tran. of Cr.	2	Canc. 20	
24		Adelme bishop	3	Leo. 5	
25	e		4	Leo. 19	
26	f	Bede prest.	5	Virg. 4	First quarter
27	a	Germane.	6	Virg. 18	the xxiii. day,
28	a	Chopontia vir.	7	Libra. 3	at v. in the mor.
29	b	Hubert.	8	Liby. 27	ning, & 43. min.
30	c	Petronill vir.	9	Scorp. 1	
31			10	Scor. 14	

lunche hath xxx. dayes.

h. before none.		12	11	10	9	8	7	6	5	4
parts of	1. day	6	7	9	12	16	23	37	74	565
shadow	12. d.	6	7	9	12	16	23	36	72	453
for the	23. d.	6	7	9	14	16	23	37	74	565
h. after none.		1	2	3	4	5	6	7	8	
1	e	Richomede.	11	Scor. 27						
2	f	Marcelline.	12	Sag. 11						
3	g	Abraham.	13	Sag. 23						
4	a	Petrocius	14	Capri. 6						
5	b	Boniface bish.	15	Capri. 18						
6	c	Claudius.	16	Aqua. 0						
7	d		17	Aqu. 12						
8	e	Craft, Trinita.	18	Aqu. 24						
9	f	Transf. of Ed.	19	Pisce. 7						
10	g	Innoc. confes.	20	Pisce. 19						
11	a	Corpus Chri	21	Arie. 1						
12	b		22	Arie. 13						
13	c	Anthonye.	23	Arie. 26						
14	d	1. sun. aft. trf.	24	Taur. 8						
15	e	Octab. Trini.	25	Tau. 21						
16	f	Transf. of Rich.	26	Gem. 4						
17	g	Botolph. mar.	27	Gem. 16						
18	a	Marcelline.	28	Canc. 2						
19	b	Nat. Reg. Iac	29	Can. 16						
20	c	Transf. Edw.	30	Leo. 0						
21	d	2 sun. aft. trf.	1	Leo. 15						
22	e	Quind. Trinit.	2	Leo. 29						
23	f		3	Airg. 14						
24	g		4	Airg. 29						
25	a	Transf. of Ele.	5	Libr. 13						
26	b	John & Paul.	6	Libr. 27						
27	c	Crescente.	7	Scor. 11						
28	d	3 sun. aft. trf.	8	Scor. 24						
29	e		9	Sagi. 8						
30	f	Top. of Paul	10	Sag. 20						

Full Moone,  
the xli. daye,  
17. mi. after viii.  
in the morning.

Last quarter,  
the xli. daye,  
22. mi. after viii.  
of the clock in  
the morning.

New Moone  
the xliii. daye,  
26. min. after viii.  
at night.

First quarter,  
the xlv. daye,  
halfe an hour  
before none.

July hath xxxi. dayes.

h. before noone.	12	11	10	9	8	7	6	5	4	
parts of	3. aa	7	7	9	12	16	24	39	82	2580
shadow	14. d	7	8	10	13	17	26	43	100	infin.
for the	24.	8	8	10	14	19	28	49	139	
h. after noone.		1	2	3	4	5	6	7	8	

1	g	Trans. of Mar.	11	Capri. 3	
2	a	Trans. of Mar.	12	Cap. 15	
3	b	Trans. of Tho.	13	Cap. 27	Full Moone,
4	c	Trans. of Mar	14	Aqua. 9	the ii. daye,
5	d	4 sun. aft. trin.	15	Aqui. 21	14 min. after tr.
6	e	Oct. of Peter.	16	Pisce. 8	at night.
7	f	Trans. of Tho.	17	Pisc. 14	
8	g	Challan.	18	Pisc. 26	
9	a	Cytil bish.	19	Artes. 9	
10	b	7. hreth. mar.	20	Arle. 21	Last quarter,
11	c	Trans. of Be.	21	Taur. 3	the vi. daye,
12	d	5. sun. aft. trin.	22	Tau. 16	25. minut. after
13	e	5. sun. aft. trin.	23	Tau. 29	midnight.
14	f	Renell.	24	Gem. 12	
15	g	Trans. Switch	25	Gem. 26	
16	a	Trans. Olin.	26	Canc. 10	
17	b	Renelme kiaz	27	Canc. 25	New Moone,
18	c	Arnolp bish.	28	Leo. 9	the xlii. day,
19	d	6. sun. aft. trin.	29	Leo. 24	21. minut. after
20	e	6. sun. aft. trin.	30	Airg. 9	iii. of the clocke
21	f	Praxed's.	31	Airg. 24	in the morning.
22	g	Mary Magd.	Au	Libra. 9	
23	a	Apollin bish.	2	Lib. 23	
24	b	Christi.	3	Scor. 7	
25	c	Christi.	4	Scor. 21	First quarter,
26	d	7. sun. aft. tri.	5	Sag. 4	the xliii. day,
27	e	Uti sleepers.	6	Sag. 17	halfe an houre
28	f	Felle this fel.	7	Sag. 30	after five in the
29	g	In. Re. I. Scot.	8	Capr. 12	evening.
30	a	45. yeere since.	9	Capr. 24	
31	b	Germani bish.	10	Aqua. 6	



h. before noone									
	I 2	II	IO	9	8	7	6	5	
parts of	3. d.	9	9	II	IS	21	31	58	207
Shadow	14. d	IO	II	13	16	23	36	72	su set
for the	24. d	II	12	14	18	20	43	III	su set
h. after noone.									
		1	2	3	4	5	6	7	

1	c	Lammias day	II	Aqua. 8	Full Moone the first day, about high noone.
2		8. sun. af. trin.	12	Aqua. 30	
3	e	Steph. mart.	13	Pisce. 11	
4	f	Inuē. of Ste.	14	Pisce. 23	
5	g		15	Aries. 5	
6	a	Transf. Christi	16	Aries. 17	
7	b	Feast of Iesu	17	Aries. 29	Last quarter, the ix. daye, at iii. of the clock after noone
8	c	Remain mar.	18	Taur. 11	
9		9. sun. af. trin.	19	Tau. 24	
10	e	Latoricee mar.	20	Gem. 7	
11	f	Tiburt mart.	21	Gem. 21	
12	g		22	Canc. 4	
13	a		23	Canc. 18	New Moone the xvi. day, 6. minut. before xi. of the clocke in the forenoone.
14	b	Roch. mart.	24	Leo. 3	
15	c	Oct. of Law.	25	Leo. 18	
16		10. sun. af. tri.	26	Virgo 3	
17	e	Oct of Law.	27	Virg. 18	
18	f	Apapite mar.	28	Libra. 1	
19	g	Magnus ma	29	Libr. 18	First quarter the xxiij. day halfe an houre before iii. in the morning.
20	a	Lodowick.	30	Scorp. 3	
21	b	Barnard.	31	Scor. 16	
22	c	Octa assump.	Se	Sagit. 0	
23		11. sun. af. tri.	2	Sagi. 13	
24	e		3	Sagi. 27	
25	f	Firmini mar.	4	Capr. 9	Full moone the last day, at iii. of the clock & 49 mi. in the morning.
26	g	Lewes King	5	Capr. 22	
27	a	Jephe in mar.	6	Aqua. 4	
28	b	Ruff. mart.	7	Aqua. 16	
29	c		8	Aqua. 27	
30		12. sun. af. tri.	9	Pisces. 9	
31	e	Euthert.	10	Pisce. 21	

h. before noone.	12	11	10	9	8	7	6	
parts of	} 3. day	13	14	16	21	30	54	223
shadow		15	16	19	24	37	73	sun set.
for the		24. day	17	18	22	29	45	112
h. after noone.		1	2	3	4	5	6	

1	f	Egidii.	11	Aries. 2	
2	g	Anthony mar.	12	Arie. 14	
3	a	Ozden Greg.	13	Arie 26	
4	b	Eräs. of Cut.	14	Taur. 8	
5	c	Bertine	15	Taur. 2	
6		13. sun. af. tri.	16	Gemi. 3	
7	e	Regina.	17	Gem. 16	
8	f		18	Gem. 30	
9	g	Stiluis	19	Can. 13	
10	a	Proth. & Jaci.	20	Can. 27	
11	b	Marrian.	21	Leo. 12	
12	c	Mauritij	22	Leo. 26	
13		Equ d. & nigh	23	Airg 11	
14	e	Holy Cress.	24	Air. 26	
15	f	Dit. of Mary	25	Liby. 11	
16	g		26	Liby 26	
17	a	Lambert bish.	27	Scop. 10	
18	b	Victor.	28	Scop. 25	
19	c	Januar. ius.	29	Sagit. 8	
20		15. sun. aft. tri	30	Sag. 22	
21	e		D.	Capr. 5	
22	f	Maurice.	2	Cap. 18	
23	g	Vecla virgin.	3	Aqua. 0	
24	a	Andochens.	4	Aqua. 12	
25	b	Firmini bish.	5	Aqu. 24	
26	c	Cypis Jusi.	6	Pisce. 6	
27		16. sun. aft. tri.	7	Pisc. 18	
28	e		8	Pisc. 30	
29	f		9	Arie. 12	
30	g	Hyeron pph.	10	Arie. 23	

☾ Last quarter,  
the viii. day,  
14. min. after iii.  
of the clocke in  
the morning.

☉ New Moone  
the xiiii. day,  
at i. of the clock  
after noone.

☾ First quarter  
the xxi. day,  
10. minut. after  
sine at night.

☉ Full Moone  
the xxix. day,  
before ix. a clock  
at night.

October hath xxxi. dayes.

Before none.	12	11	10	9	8	7
parts of	4. day 20	21	25	34	61	206
shades	14. da 23	25	30	42	79	1896
for the	24. da 27	29	35	59	Sunne set	

After none	1	2	3	4	5
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	a	Remig us.	11	Taur. 5	
2	b	Leodegar bish	12	Tau. 17	
3	c	Candis. mart.	13	Tau. 30	
4		17 sun. aft. tri.	14	Gem. 12	Last quarter, the vii. day, 35 min after one of the clock after none.
5	e	Appollinaris.	15	Gem. 25	
6	f	Octa. Micha.	16	Can. 9	
7	g	Marci & Ma	17	Can. 22	
8	a	Pelagius vir.	18	Leo. 6	
9	b		19	Leo 21	
10	c	Cere & Cict.	20	Virgo 6	
11		18 sun. af. tri.	21	Air. 20	
12	e		22	Libra. 5	
13	f	quind. Micha.	23	Lib. 20	New Moon the xiii. day, 20. mi. after iiii in the morning.
14	g		24	Sca. 4	
15	a	Jewes feast.	25	Sc. 19	
16	b	Nich. mount.	26	Sagt. 3	
17	c	Etheld.	27	Sag. 16	
18			28	Sag 30	
19	e	Fridericwde.	29	Cap. 13	First quarter, the xxi. day, 18. min. after 2 in the forenone.
20	f	Tre. Michael.	30	Cap. 26	
21	g	ri. Mar. & regn	31	Aqua 8	
22	a	Mary Solom.	30	Aqu. 20	
23	b	Roman. arch.	2	Pisc. 3	
24	c	Sag. xij.	3	Pisc. 15	
25		20 sun. af. tet	4	Pisc. 27	
26	e	Alisa virg	5	Aries. 9	Full Moon, Eclipse the xix. day, 26 mi. after one a clock after none.
27	f	Mense Micha.	6	Arie. 20	
28	g		7	Taur. 2	
29	a	Narcissus.	8	Tau. 15	
30	b	German bish.	9	Tau. 27	
31	c	Quintine. Fast	10	Gem. 9	

# November hath xxix dayes.

h. before noone.	12	11	10	9	8
parts of	2 day	32	34	42	65
shadow	13. da	36	39	49	83
for the	22. da	40	45	57	104
					sun set

h. after noone.	1	2	3	4
-----------------	---	---	---	---

1		11	Em. 22
2	e	12	Canc. 5
3	f	13	Canc. 19
4	g	14	Leo. 3
5	a	15	Leo. 17
6	b	16	Virgo. 1
7	c	17	Virgo. 16
8		18	Libra. 0
9	e	19	Libra 15
10	f	20	Libra. 29
11	g	21	Scor. 14
12	a	22	Scor. 28
13	t	23	Sagi. 15
14	c	24	Sagi. 29
15		25	Capri. 8
16	e	26	Capri 21
17	f	27	Aqua. 3
18	g	28	Aqua. 16
19	a	29	Aqua. 28
20	b	30	Pisces. 10
21	c	De	Pisces. 22
22		2	Aries. 4
23	e	3	Aries 17
24	f	4	Arie. 29
25	g	5	Taur. 11
26	a	6	Taur. 24
27	b	7	Emf. 7
28	c	8	Emf. 19
29		9	Canc. 2
30	e	10	Canc. 15

Fast quarter,  
the v. day,  
at ten a clock at  
night.

Full Moon  
the xii. day,  
23. min. after iii.  
at night.

First quarter,  
the xx. day,  
12. min. after six  
of the clock in  
the morning.

Full Moon,  
the xxviii. day  
7. min. before nine  
in the morning.

December 17

houres before noone.	12	11	10	9
----------------------	----	----	----	---

Parts of the day for the	{	3. day.	43	47	92	123
		13. day	45	49	65	131
		23. day	43	47	62	122
		31. day	40	45	47	104

1	f	Lep.	11	Can. 29
2	g	Libani mar.	12	Leo. 13
3	a	Dipo. of Ol.	13	Leo. 27
4	b	Barbary vir.	14	Virg. 13
5	c	Sabba abbot.	15	Virg. 6
6		2. sun. in Adv.	16	Libra. 11
7	e	Oct. of Adv.	17	Libra. 25
8	f	Cent. cu. La.	18	Scor. 9
9	g	Cyprian Abb.	19	Scor. 23
10	a	Enlalia virg.	20	Sagit. 7
11	b	Damascus.	21	Sagit. 20
12	c	Shortest day.	22	Capri. 3
13		3. sun. in Adv.	23	Cap. 16
14	e	Othiy virg. in	24	Cap. 29
15	f	Galery bish.	25	Aqua. 11
16	g		26	Aqn. 23
17	a	Diacoy mar.	27	Pisce. 6
18	b	Barnabine.	28	Pisc. 18
19	c	Penetia virg.	29	Pisc. 30
20		4. sund.	30	Aries. 12
21	e		31	Arie. 24
22	f	Desideri ma.	Ja	Taur. 7
23	g	Victor virgin	2	Taur. 19
24	a	Claudy.	3	Gem. 2
25	b		4	Gem. 11
26	c		5	Gem. 28
27			6	Can. 11
28	e		7	Can. 25
29	f	Thom. Fisher	8	Leo. 9
30	g	Tran. James	9	Leo. 23
31	a	Silvester bish	10	Virg. 8

**C** Last quarter,  
v. daye, 26.  
minut. after v.  
in the morning.

**C** New moone,  
the xii. daye,  
at v. of the clock  
in the morning.

First quarter  
the xx. daye,  
19. minut. after  
iii of the clock  
in the morning.

Full moone,  
the xxvii. day  
3. min. after vii.  
of the clocke at  
night.

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No President,  
but a plaine Progno-  
stication for this  
yeare. 1612.

Beeing Leape yeare,  
with the cause of the  
same.

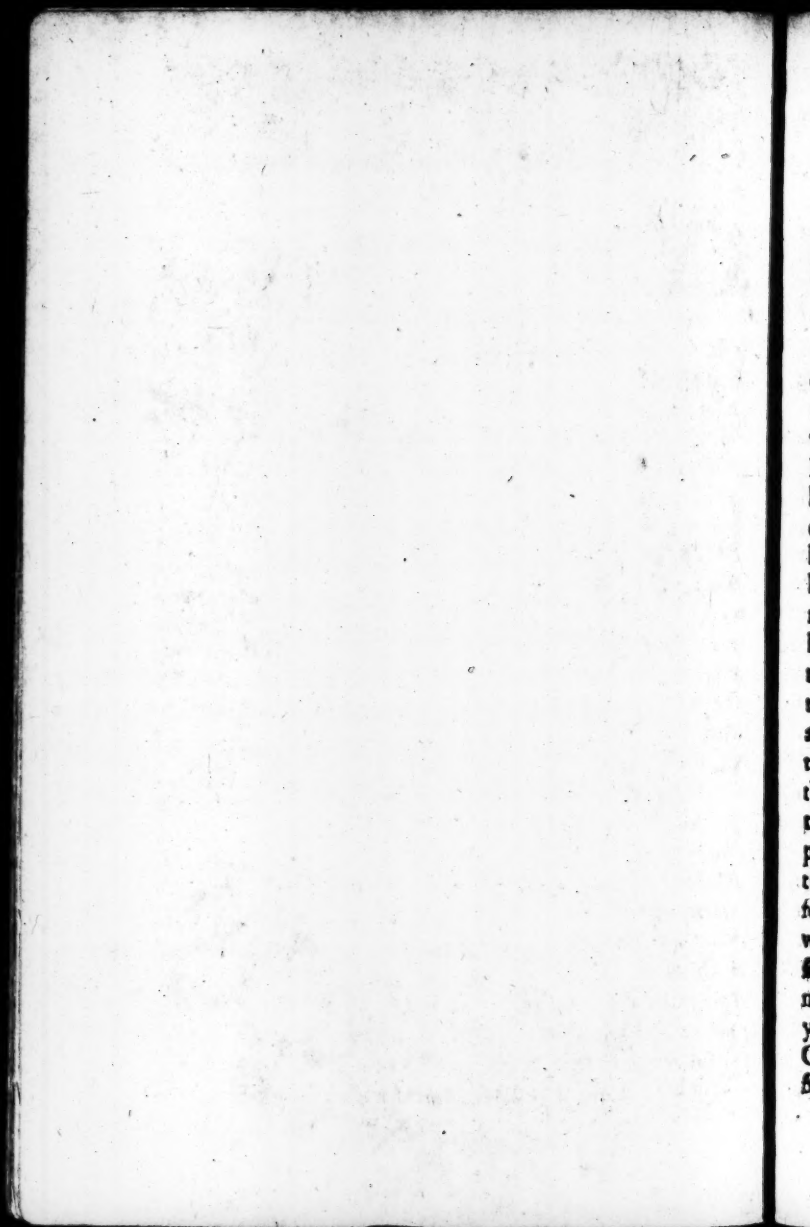
Also the originall ground  
of the altering of the Ro-  
mane Kalender, and the  
reason of the difference  
*betwixt vs, and them,*  
*with other vulgar ob-*  
*servations, most fit-*  
*ting with this vo-*  
*lume:*

By Arthur Hopton Gent.

LONDON,

Printed for the Company of  
Stationers.

Cum priuilegio.







## To the Reader.

**G**entlemen, I haue often maruelled wherefore some Prognostications come abroad the Citie, when Wood-cocks come about the country: and now I perceiue they be Cuckoos Almanackes, which she sendeth by wood-cocks to the Presse; to the end we may be troubled euery winter with an old worke new printed, as wee are all the sommer with her harsh voice, vnaltered, & no maruell though these reioyce, that Pedlars haue good vtterance of their trash, which indeed be fitter for a packe then the Presse, but now it is sufficient if it be a booke, and shall do as good seruice as the best. Wonders be admired vntill they bee told ore, and bookes in request vntill they be read ore: be the writing neuer so good, you shall not please all, or bee it neuer so bad, it will content some. Fine wits drinke nothing but the water of *Helicon*, when grosse heads are satisfied with the sale *Helespont*, so that all sorts are entertained, because all people should be pleased, whereof the most part (like the *Athenians*) had rather heare the tale of an Asse, then the Oratory of *Demosthenes*; therefore I will ioyne with the Shooe-maker, that careth not if his ware hold the pulling on, nor I, if this worke serue the reading ore. He that reades, and finds no profite, let him blame himselfe for perusing idle papers: For as they are not tied to read what we write, no more are we to write naught but what shall please them to reade: for as I make this worke no part of a serious study, so intend I not to trouble you with a graue discourse. I haue taken away my Concordancy of Yeares, for that it is shortly to come forth in a most easie method, and with Chronicle notes

## To the Reader.

against euery yeare in a perpetuall Prognostication that I haue drawne, wherein you haue compendious and easie Tables to finde the new and full Moone, and the Eclipses thereof vnto the minute, as also their places in the Zodiacke, reiecting those old and erroneous Tables that euery ordinary booke is stuffed with, in regard of their manifold errours, which I haue laid open in the said booke. Now in stead of this Concordancy, you haue here the originall cause of the Leape yeare, with the ground of the late alteration of the Romane Kalender, and the reason of the difference betwixt vs and them.

My *Topog-aphicall Glasse* was detained longer at the Presse then was expected, but it is now forth, and to bee sold at the *Crowne* in *S. Pauls Church-yard*; onely I must craue patience for the 98. chapter, for the Ruler intended was a Paralelogram, but the description (I know not how) is mistaken and in the rest of the Bookes is amended. If you desire the Glasse, you may haue it exactly made in brasle, without Temple-barre. Where also you may haue my Staße in brasle, free from warping or yeelding, with such other proiecements thereon, as could not be placed well vpon the same in wood, whereby you haue a Pocket Instrument, most exact and free from any inconuenience, taking & protracting the precise quantity of any Angle, expressing any chorde, any Signe, any Tangent, &c. Deliuering the extension of any Circumference, the length of any Diameter, the side of any inscribed square, and square of any circle, &c. And any of those diuisions may be omitted, and other at your pleasure put in stead thereof.

*Arthur Hopton.*



## Of the Leape-yeare, and the cause thereof.

**N**VMA, the second King of the Romans, succeeding Romulus, diuided the yeare into 12. moneths, and did appoint the same to containe 354. daies. Long after whom cometh Iulius Caesar, 45 yeares before Christ, which by the Councell of Sosigenis, obserueth that the Numan yeare then vsed, was onely Lunar, wanting 11. Dayes and 6. houres of a true Solar yeare: and therefore they added those 11. daies and 6. houres to the former yeare, whereby the yeare did consist of 355. daies and 6. houres: the which 11. daies they distributed amongst the moneths, whereby they did consist of 31. and 30. daies, all but February, that had but 29. and 30. when it was Leap-yeare. But that position of daies and moneths was afterwards altered by Augustus, to that we haue now, as is largely noted in my perpetual Prognostication coming forth, chap 26. But to proceede.

After Caesar had thus added 11. daies and six houres, making the yeare to consist of six odde houres, he further saw, that if they should bee counted forward euery yeare, there would happen an incommence without getting of a day: for should the yeare begin this yeare at six a clocke after noone, the next yeare at mid-night, and the third yeare at six in the morning of the next day, & so forth, in 14. yeares the Annunciation would fall to be kept where Saint Marke the Evangelist now is.

To auoid which incommence, they also appointed, that in euery foure yeares there should bee a day gotten by the surplus of the six houres in euery yeare, for foure times six is 24. which is a day naturall, and hereby they keepe the yeare backe to his true place: the which day they put at the 25. of February, whereby the 6. Kalends of March is twice repeated, two daies answering to one letter, whereby also the letter F. in February is twice repeated, Saint Mathias day being obserued

## A Prognostication

upon the latter, which is the twenty five day, according to the verse.

*Bissexum sextæ Martis tenuere Calendæ,  
Posteriore die celebrantur festa Mathiæ.*

So that Bissexile taketh name of bis and sexto, because the 6. Kalend of March is twile repeated.

Whereby you see the Leape-yeare is nothing but a day, which is gotten by the surplus of 6. houres in euery yeare, making in foure yeares, one day, the which if it were omitted, in 364. yeares the birth of our Lord would fall out at that time of the yeare as our Lady Day doth now: But this Julian yeare is false, and hath bred a great incommenience, as shall after be noted: for the true yeare hath but 356. daies 5. houres 49. minutes, and 12. seconds, so that the common Julian yeare was ordained by Cæsar to be so great.

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Of the originall ground of these late Alterations  
of the yeares and times, with the Feastes  
moueable and fixed, whereby the  
Romans and we so differ.

**I** Could you lastly before that Cæsar altered the Numan yeare, causing it to containe 365. daies, and 6. houres, whereby it was distinguished by the Julian yeare after his owne name, and thereby (as is said) hee made the Leape-yeare to consist of 366. daies, not respecting, or not knowing, that the last day in the Leape-yeare did want 47. min. and 12. sec. of a true day, because he made no great account of so small a want, for that he thought it could produce no notable error in many yeares. But now this present yeare 1612, there is passed 1657. yeares since Cæsars time inclusively, by which meanes in all this time, through the omission of those minutes and seconds, there is ingendred a most sensible difference of 10. daies.

Now the reasons wherefore the Romans altered their Kalendes

## Hopron. 1612.

lender, is, because it was observed by the best Astronomers then living, that when Julius Caesar instituted the Rules of the common Bitterle yeare that the Equinoctiall was upon the 25. of March. In Ptolomeus time it was upon the 22. of March, since whom there is passed 1477. yeares, and we now observe it the 10. or 11. of March, whereby there is a difference of 11. Daies or 10. Daies at least: also it is affirmed by all good Astronomers of that time, that when the first generall Counsell was held at Nice in Pontus, that the Equinoctiall was the 21. of March, according to which day there were established Paschall Tables, and other rules for the celebration of Easter, and the other moueable feasts, since which time there is passed 1287. yeares, and the Equinoctiall is crept backe 10. Daies, by which reason Easter and the other feasts thereupon depending, bee celebrated at other times then they then were, as shall appeare hereafter more at large, by meanes of which anticipation, or foregoing of the Equinoctiall, the Nativity of Christ, being the 25. of December, and then was the shortest day in the yeare, would come to bee in June at the longest day, and this would happen, if God will the world should so long continue, about 16600. yeares to come.

But now albeit the Romans and wee differ in the celebration of our Easter &c. yer is there some yeares, wherein there is no difference, as 1559. 1561. 63. 64. 67. 70. 73. 74. 77. 78. 80. 81. 82. 83. 85. 1607. 1608. 1611. and this yeare 1612. also there may happen yeares of 1. 7. &c. Daies of difference so may there of 28. Daies of difference, as Anno 1557. 1560. 1571. 84. 85. &c. lastly there may bee yeares of 35. Daies difference, as Anno 1565. 68. 76. 79. 95. 1603. and shall bee 1622. and when there happens 28. or 35. Daies difference, then wee haue two full Moones, betwixt the Spring Equinoctiall and Easter, which is another cause of the Romans alteration as shall after appeare.

By this that is said, you may gather that we tie the Dayes of our monethes to a fixed place, according to the first institution, not regarding how the Spring flyeth backe to the winter, or the winter to the summer. where as the Romans keepe their Daies of the monethes, in the same temperature of the yeare, and vnder the same signe and degree. But happily some will say. what neede we this alteration, or what care wee for the inequality of precession or anticipation of the Equinoctiall

## A Prognostication.

Of the motion of the Sunne, there is no warrant for it in the Scripture. Of such I aske how wee must vnderstand Gen. chap. 1. vers. 14. — and let them be for signes and for seasons, and for daies and yeares. Again, Chrysostome saith: Our Saviour was borne when the dayes began to increas. Psea there is many notes worthy obseruing herein: For in the Spring equinoct. being the 23. of March, the Son of God was incarnate in the Equinoctiall of Autumne, being the 27. of September, Iohn Baptist was conceived and borne in the Summer solstitiall, which was the 24. of June, which is the 6. moneth whereof Saint Luke speaketh in his Gospell, and this Chrysostome verifieth, laying: Saint Iohn was borne when the dayes began to decreas. Also in the said equinoctiall of the Spring, Christ suffered, Adam was created, and lost the state of Innocency. Abel was slaine, Melchisedech offered bread and wine, Isaac brought to be sacrificed, Iohn Baptist beheaded at Macharunta, Peter deliuered out of prison, Saint James beheaded, the good Theise enjoyed Paradiſe, and bodies of Saints arise. And these I hope be sufficient accidents why those times and seasons should bee distinguished, and obserued now, as they were before: For I take it to be fit to celebrate every accident as neere to the true time it happened as we may: For the dayes of the moneth were but the inventions of men, the Sunne being set in the heauens by our God, as a true Register and Kalender of times and seasons, Deuteron. 16. 9. Thou shalt begin to number, &c. When thou puttst the sickle into the corne.

### Of the dignity of Easter, and the diuerſitie thereof.

**R**euerently are all Christians bound to obserue this Feast of Easter: for as the Iewes kept their Passouer in memorialis of their carnall deliuerance from the earthly Egypt, and cruell bondes of Pharaoh, as also when the Angel passed ouer all such children of Israel, that had blood stricke vpon the hypper doore posts, &c. So ought we more reuerently to consecrate it in remembrance of our most victorious and spirituall deliuerance from the infernall Egypt, which is Hell, & from the cruell bondes of the perpetuall Pharaoh, Satan, Sin, and Death, which was accomplished by

by the most triumphant and glorious Resurrection of our Saviour Iesus Christ vpon the third day after he had suffered most cruel death vpon the Crosse for our iniquities. And of Easters we now haue three sorts: The Iewes Easter, our Easter, and the Romans Easter, as followeth with their cause and Originall.

## Of the institution of the Iewes Easter, called *Pascha Hebraeorum*.

**T**he Iewes were to celebrate an Easter by the Commandement of God, in remembrance of their deliuerance out of Egypt, and this should be done once every yeare, namely, the 14. day of the first moneth called Abib, which is part of our March: which day (at euen) was the Lords Passouer, and the 15. day of the same moneth was a holy Commocation before the Lord, as you may gather by the ensuing texts, Exod. cap. 12. vers. 18. Leuit. chap. 23. v. 5. Num. cap. 28. v. 16. Deut. chap. 16. v. 10. Esa. chap. 7. v. 10.

And this 15. day of the moneth is understood to bee the first day after the first moone, immediately following the vernal Equinoct, vpon which day *Pascha Hebraeorum* was to be solemnized. But shortly after, the Iewes holding a superstitious opinion of certaine daies, would not celebrate their Easter vpon any Sunday, Wednesday, or Friday, and therefore according to the text, in the second booke of the Kings, chap. 23. vers. 22. like obstinate and stiffe-necked people, brake the Commandement of God, and neglected the right vse of the Passouer, inueting a circle that contained 247. yeares, believing that in that space the Moone would finish all her seueral alterations, whereby sometime their Passouer was caused to bee celebrated after the Sunnes entrance into Taurus, which is in the second moneth, euen as ours at this day is by reason of the Precession or Anticipation of the Equinoctiall.



## A Prognostication

Of the institution of our Easter, aunciently called  
*Pascha Verum.*

**A**Bout the celebration of Easter, there fell amongst the Christians a great controuersy, after the Apostles times, for they would neither agree of the time, nor the right vse thereof, vntill the time of Constantinus Magnus, who to appeale the Differences rose in the congregation of the Church, assembled from all parts such learned Church-men and other great schollers, as he could heare of amongst whom were thye hundred and eightene Bishops, Eusebius Bishop of Caesaria being chiefe, as well for that he was a great Diuine, as a profound Mathematician, and for that they had great neede of Astronomy for the determining of this feast, there were chosen Greekes, Latines, & Egyptians, such that had singular knowledge in Astronomy, all which Constantinus kept at Nicea, two yeares vpon his owne cost and charges, & so in this Counsell by the consent of all the aforesaid there was a new Decemnonian Circle instituted, which was set in the Ecclesiasticall Kalender, in the second yeare of the Counsell, and three hundred twenty three yeares after the Incarnation, guiding Easter in such order, that it must be alwaies celebrated vpon the Sunday next following the first full Moone, after the vernal Equinoctiall, and these Tables were answerable to all the varieties and alterations that the Moone could make, allowing the Equinoctium at that time, at the twenty one of March, but this decree continued not passing 7. yeares, for then there rose new and great controuersies betwixt the Greekes and the Romans about the celebration of Easter, which continued neere two hundred yeares, after which Dionysius Abad, in the time of Iustinianus drew forth new passeyall Tables and rules Ecclesiasticall, placing the Golden number, and the rest in the Romane Kalender, according to the institution of the foresaid Counsell as if the Equinoctium had bene alwaies fixed at the twenty one of March, and after in a Counsell at Calcedon, it was established that whosoever held any other Easter then that the Churches of Rome allowed, should be counted as Hereticke and accursed,

## Hopton. 1612.

accused, but since that time there is passed one thousand five hundred fifty seven yeares, whereby the Equinoctiall is gone before the twenty one of March tenne daies, by reason of which anticipation wee haue sometimes two full Moones produced before wee can keepe our Easter, as is said before, which is contrary vnto the edict of the first Nicean Council, and contrary vnto the intent of all men of that time, though happily it is not held materiall to be so nicely observed.

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### Of the institution of the Romanes Easter called *Pascha visitatum.*

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**T**his Easter of theirs is nothing else but an imitation of the rules and tables of our Easter, but they haue ordered the celebration of the same by meanes of their new Epact, which is alwaies ten lesse then our Epact, and by calling backe the Equinoctiall of the spring vnto the twenty one of March, that they euer celebrate their Easter according to the first institution, that is the first Sunday after the first full Moone, that shall happen after the Spring Equinoctiall, whereas indeed sometimes wee haue two full Moones produced as is said: but whether it be necessary, or the Text bind vs, to keepe our Easter as they doe, I referre it to our reuerent Diuines. It is euident that the resurrection was the first day of the weeke, as may appeare, Math. 28. 1. Mar. 16. 1. 25. Ioh. 20. 1. which was the Jewes Monday, and is our Sunday, and where the Text saith, that the two Marias came in the end of the Sabaoth, when the first day of the weeke begaine to dawne, that is as much as to say, vpon Sunday in the morning before Sunne rising, for the Jewes Sabaoth was Saturday, and the Evangelist reckoneth the naturall day from Sunne rising to Sunne setting, and I thinke it meetest that this Easter Sunday should bee kept about the Equinoctiall, because

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because the resurrection was about that time, and wherefore the time should be determined by the full Moone, and why he should not take the Sunday next following the Equinoctiall, as well as the first Sunday following the full Moone, that happens after the Equinoctiall as before, I thinke the reason is, because Christ suffered in the full moone, and as thereby was brought great light to the night: so by his passion was brought full grace of redemption of mankind.

And whereas Easter alwaies ought to be celebrated vpon a Sunday, but because one and the same letter in the Kalender is not alwaies Sunday letter, therefore Easter and the other moueable feasts cannot retaine alwaies one place in the Kalender: also because Christ suffered at the full moone, and Easter is to be celebrated after the same, and for that the lunations be sometimes sooner and sometimes later, therefore Easter can haue no fixed place in the Kalender, the lowest day it can happen on is the 22 of March, and the highest the 25. of Aprill.

And you shall note that Theophilus Bishop of Alexandria, and his followers. say that Christ suffered the tenth Kalends of Aprill, at what time he also made Adam, and therefore they say: that he would suffer for the redemption of the first man and his off-spring, vpon the same day hee made him. Hieronimus sayth that Christ suffered the eighth Kalends of April, at what time he was also incarnated of the blessed Mary, & therefore they say eodem die, quo carnem assumpsit passus est.

And thus briefly of the celebration of Easter, hoping I haue spoken without offence to any.

## Of the Eclypses this present yeare.

Four times this yeare shall the two great luminaries appeare in parts darkned vnto the inhabitants of the earth wherof two are of the moone, and two of the Sunne, the first of the Moone, and of the Sunne being onely observed in our Latitude.

## Of the first Eclipse of the Moone.

The fourth day of May, but the xliii of May according to the Romans account, at ix of the clocke at night or rather Euen, before the earth, by the motion of the Sunne & Moone, shall

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shall so happen in a diametricall opposition betwixt the Sunne and the Moone that shee shall be deprived of her light, in respect of our sight, and position, to the quantity of  $\frac{7}{13}$  parts or 7. digitēs, which is one part more then the halfe of her body. the Darkenesse will beginne to enter her body xxvi. mi: and xxii. seconds after vii. at night, and shee will fully haue gotten out of the shadow of the earth at x. of the clocke xxv. mi: and xliiii. seconds: so that the whole duration from the beginning to the ending, will be two houres liiii. mi: and ii. sec:

Now for such that be Cosmographers, and desire to obserue the true longitude of any place, which is best effected at an eclipse of the Moone, for them I say the Moones latitude in the beginning of the Eclipse, is 46. mi: 38. sec: and at the ending 38. mi: 17. sec: both septentrionall descend.

The Anomaly of the Sunne is 10. signes 12. part. 36. mi: 47. sec: the Anomaly of the Moone is 8. signes. 15. part. 55. mi: and 52. seconds, the opposition happeneth, the Sunne being in the 23. degreee 48. minuts, 28. seconds, of Taurus, the Moone then being in 23, the degreee 48. minute, 28, second of Scorpio, nere vnto the Dragons taile.

### Of the first Eclipse of the Sunne,

The xx. day of May with vs, but the xxx. Day according to the Romanes: the body of the Sunne, shall suffer an Eclipse or obscuration of light, to the quantity of elght points or digitēs, and thirty eight secondes, vpon the North part the Sunne, we shall perceiue the shadow to enter vpon the body of the Sunne, vpon the West part thirty three minutes, and twenty sixe seconds, after eight of the clocke in the morning, being then eleuated some thirty five degrees and a halfe aboue the Horizon, at fifty two minutes, and xlv. seconds, after nine he will bee in his greatest obscuration, & then at eleauen of the clock, twelue minutes, and foure seconds, hee will bee fully out of the shadow of the Moone. so that the duration from the beginning to the ending, will bee two houres thirty eight minutes, and xlv. seconds, being not much remote frō the Dragons head.

The

## A Prognostication

The Anomaly of the Sunne is 10. signe, 27. parts, 55. minutes, and 41. seconds, the Anomaly of the Moone is 3. sig. 14. parts, 4. mi: 40. sec: and because this Eclipse is but 2. howers 7. mi: and 15. sec: distant from the Perigean, the conjunction hapneth neere to the 90. deg: of the Ecclypticke; insomuch that there is small difference, betwixt the true and visible conjunction, and for that the conjunction was 37. deg: 32. mi: 26. from the Zenith, the paraller of the Sunne is 1. minute, 34. sec: and of the Moone 31. mi: 41. sec: the Sunne being from the Moone 31. mi: 7. sec: the Latitude of the Moone at the beginning of the Eclipse, being 6 mi: 39. sec: and at the evening twelve mi: 35. sec, both septentrionall descending.

There be two other Ecclypsēs, one of the Moone, hapning the xix. of October, about two of the clocke after noone, and the other of the Sunne, vpon the twelue day of Nouember, at thre of the clocke and fourty four minutes, so that we may see part of the beginning of the Eclipse, before Sunne setting, if the heauens be cleere, and this Eclipse to them that inhabite more Easterly will be a great one, for his whole body will bee darkned, within one degree and twenty minutes, and the duration will be full three howers, but for that neither of these two Ecclypsēs, & especially the former, doe appertaine to our Horizon, I will say no more thereof at this time, for as Parus Ecclypsēs parum nocent & pauca operantur, so may we also say: nihil nocent illis regionibus in quibus non videntur.

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Of this reuolution and effects of the  
Ecclypsēs.

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**F**ollowing the doctrine of maisters of Astrology, there is pretended by the first Lunar Eclipse, barrenesse of the earth, and pestilence with other inconueniences, occasioned by the aboundance of wet, which wet will in many pla-

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as turne to great inundations and breaking out of riuers, as caused by the neere beaming of Saturne, with the Eclipsed body. we haue also foreshewen hurt to Diuers, the increasing of many sommer diseases, and that vehemently.

As for the Eclipse of the Sun, although he be not totall, yet is he great, for there is more then two three parts of his body darkened, as you may gather by reflecting his beames with a looking glasse, vpon any platue wall, or by letting his beames into some roome, in a house at a round hole, or by a hollow truncke, with paper vpon the ends, or any such other way that Astronomers vse, for it is held bad for the sight to view an Eclipse too much. And as this Eclipse is great, and his duration long, so likewise be the effects and the continuance of the same, and in respect of the domination of Mercury, as well in loco Eclipsos, as in angula sequentē Eclipsin, as also of the constellations and fixed starres situated about the same, we may foresee great robberies by the high waies, burglaries and strange pyratieall imitations.

The sicknesses be many, but amongst all, the griefe of the minde, the consumption of the purse, and the mortality of true loue is especially to be lamented, we shall haue also too many prauaricators, and corrupt undertakers, that woman-hated and detested disease of the Priapisme shall looke many hopefull sparkes, the gaine of a second affection, and indeed there shall bee such wonders wrought thereby that the world may admire.

But to speake seriously, Ptolomens saith, cum multiplicantur Eclyses magnę, necessario sterilitas, succedit sequentibus annis refrigeratur enim terra & excicatur, which is, when many great Eclipses happen, necessarily there must follow barrennesse the ensuing yeare, &c. Hermes, Mercurius, Trismegistus, Appli. 53. saith, many inconueniences happen in the world, when both the luminaries be eclipsed in one month, as this yeare they be, and Messahala wilf haue no Eclipse of the Sunne to happen, but that there must follow some strange effect, vnlesse God worke the contrary.

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Of such men and women that bee subiect vnto the Eclipses of the two lunaries, and first of the moone;

**A**l you whose natiuities bee calculated, or haue had any celestiall figure set for the same, see that the moone happened not in the 23. deg. 48. min. 28. sec. of Scorpius or Taurus. See also that the 0. deg. and 35. min of Leo, be not your ascendent the 5. deg. of Aries culminating.

For the same.

**L**ooke if there were no conjunction of the lunaries in the 8. deg. 44. min. 46. sec. of Gemini, or if the 4. deg. 1. min. of Virgo were in the ascendent, or horoscop, or the 25. of Taurus in the 10. House, called Cor Cœli.

All those that had the Sunne or Moone so placed in their natiuities are farre more subiect to the powerfull working of the influence of these two Eclipses, then any other, and the effects thereof in one manner or other will be shewed vpon them.

Of the Regions and Cities subiect vnto the Sunnes Eclipse.

**T**he Cities subiect vnto the Effects of this solar Eclipse be many, but we will remember but a few that concerneth: so likewise of the Provinces, as first Sardinia, part of Longobard, Flaunders, Brabant, Wittenberge, Hircania, Armenia, and the inferiour part of Egypt. The Cities be, London, Louaine, Noriberge, Hasford, &c.



**A perpetuall Table to find the Breake of the day,  
Sunne rising and setting, &c.**

Moneths		Days	Breake of day.	Sunne rising	Length of day	Length of night	Sunne setting	Twy- light.					
			H: M:	H: M:	H: M:	H: M:	H: M:	H: M:					
Janu.	1	9	54	8	0	8	0	4	0	6	0		
	10	5	44	7	19	8	21	15	39	4	11	6	16
Febr.	20	5	37	7	34	8	52	15	8	4	26	6	23
	1	5	15	7	13	9	24	14	16	4	45	6	47
March	20	5	0	6	56	10	8	13	52	5	4	7	0
	1	4	50	6	36	10	47	13	13	5	24	7	10
April	10	4	20	6	19	11	23	12	38	5	41	7	40
	1	4	0	6	1	11	58	12	2	5	59	3	0
May	20	3	40	5	45	13	37	11	43	6	19	3	22
	1	3	8	5	18	13	23	10	37	6	42	8	52
June	10	2	40	5	1	13	57	10	3	6	59	9	20
	1	2	10	4	43	14	33	9	27	7	17	9	50
July	20	1	30	4	25	15	9	8	51	7	35	10	30
	1	0	30	4	22	15	35	8	25	7	48	11	30
Aug.	10	Al day and no		4	0	15	59	8	1	8	0	no night	
	1	darke		3	51	16	17	7	41	8	9	but continall	
Sept.	20	night,		3	51	16	17	7	37	8	12	twylight	
	1			4	0	15	59	8	0	8	0		
Octo.	1	30	4	25	15	9	8	51	7	35	10	30	
	20	2	10	4	43	14	33	9	27	7	17	9	50
Nov.	1	2	10	4	43	14	33	9	27	7	17	9	50
	10	2	40	5	1	13	57	10	3	6	59	9	20
Dece.	20	3	8	5	18	13	23	10	37	6	41	8	52
	1	3	40	5	41	12	37	11	23	5	19	8	30
	10	4	0	6	1	11	58	12	2	5	59	8	0
	20	4	20	6	10	11	22	12	38	5	41	7	49
	1	4	50	6	26	10	47	13	13	5	24	7	10
	10	5	0	6	56	10	8	13	52	5	4	7	0
	20	5	15	7	13	9	34	14	26	4	47	6	45
	1	5	35	7	34	8	52	15	8	4	26	6	25
	10	5	44	7	49	8	21	15	39	4	13	6	16
	1	5	54	8	0	8	0	16	0	4	0	6	6
	20	5	58	8	10	7	40	16	30	3	50	6	2
	1	5	0	8	11	7	34	16	23	1	59	6	0
	10	5	54	8	0	8	0	16	0	4	0	6	6
	20	5	54	8	0	8	0	16	0	4	0	6	6

## A Prognostication

### The vse of the former Table.

**I**f you would know at what houre the day doth breake, the Sunne rise and set, how long the daies and nights be, and when twy-light ends, do thus,

In the first rowe vpon your left hand, finde your moneth, and in the next row rightward the day of the moneth, which are placed against the moneth three times, thus, 1. 10. 20 and when you want the iust day, take the nearest, for it will serue precise enough: the day of the moneth thus found, proceede rightward against the said day, so shall you see the houre and minute, of all the foresaid, vnder their proper titles, and against the said day of the moneth. As the 10. day of August, the day breaketh at 3. of the clocke and 8. minutes, the Sunne riseth at 5. and 12. min. the length of the day is 13. houres, and 23. min: and so proceed forth.

### Of the Tearmes and their returnes.

**Y**ou shall vnderstand that every Terme doth consist of 4. 5. or 8. returnes, every returne of 4. daies, and every day seruing to a severall purpose, as I amply noted (in my Almanacke 1611) as for the vse of the returnes it is thus, I tould you before that every returne contained foure daies, the first whereof is, the Returne or Essoyne day for the defendant in a personall action, or the Tenant in a reall action to be Essoyned, the second is the day of Exceptions for the plaintiffe or demandant to lay an exception, if no Essoyne bee cast, that the defendant shall not be Essoyned: the third is, Returna Breuium, that is the day whereon the Shrieffe must returne the writt, and the fourth is the day of Appaiaunce for parties, and Iurres, in the Court of Common pleas, the which first and last day of appaiaunce do determine the beginning and ending of every terme.

These daies haue most vse in the Court of Common pleas where all suits commence by originall, but for latitas or other processes vpon their bill it is vpon a day certayne, as die lune proxi: post puris: which must alwaies bee reckoned from the Essoyne day.

**A Table of the foure Tearmes, and  
their returnes, with the Effoyne dayes, day  
of Exception, Returna Breuium, daies of Apparance  
and Starre Chamber daies, for  
this ycare, 1613.**

Hillare Tearme begins Jan. 23: ends Febr: 12.

Returne daies or daies of Effoyne	Daies of Exception	Returna Breuium	Daies of apparance
Oftab. Hilla. Janu: 20.	Jan: 21.g	Jan: 22.a	Janu: 23.b
Quind. Hilla. Jan: 27. f	Jan: 28.g	Jan: 29.a	Janu: 30.b
Craft. purif. Febr: 3. f	Febr: 4.g	Febr: 5.a	Febr: 6.b
Oftab. purif. Febr: 10. f	Febr: 10.g	Febr: 11.a	Febr: 12.a

Starre Chamber dayes, Feb. 24. 29. Feb. 5. 7. 13.

Easter Tearme beginnes, Apr: 29. ends May 29.

Quind: pasch Apr: 27. e	Aprill 27. e	Apr: 28. f	Aprill 29. g
Tres pascha: May 4. e	May 4. e	May 5. f	May 6. g
Mense pasch: May 11. e	May. 11. e	May: 12. f	May 13. g
Quinq: pasch: May 18. e	May 18. e	May: 19. f	May 20. g
Craft. Ascen: May 22. b	May 23. c	May: 25. e	May 25. e

Starre Chamber dayes, May. 1. 6. g. 13. 15. 20. 22. 26.

Trinity Tearme beginnes, Iun: 12. ends Iuly 1.

Craft: Trinit: Iune 8. e	Iune 9. f	Iune 10. g	Iune 12. b
Oftab: Trini: Iun. 25. e	Iune 15. e	Iune 16. f	Iune 17. g
Quind: Trin: Iun: 22. e	Iune 22. e	Iune 23. f	Iune 25. g
Tres Trinit: Iune 29.	Iune 29. e	Iune 30. f	Iuly 1. g

Starre Chamber daies, Iun: 17. 19. 26. Iuly. 2.

Michaelmas Tearme begins, Oftob: 9. ends Nouem: 28.

Oftab: Michael: Dct: 6. f	Oftob: 7. g	Dcto: 8. a	Oftob: 9. b
Quind: Micha: Dct: 13. f	Dcto: 14. g	Dcto: 15. a	Dcto: 16. b
Tres Michael: Dct: 20. f	Dcto: 21. g	Dct: 22. a	Dcto: 23. b
Men'e Micha: Dct: 27. f	Dcto: 28. g	Dct: 29. a	Dcto: 30. b
Craft. anna: 21. 3. f	Nou: 4. g	Nou: 5. a	Nou: 6. b
Craft. Marti: 29. 12. a	Nou: 13. b	Nou: 14. c	Nou: 16. e
Oftab. Marti: 29. 18. g	Nou: 19. a	Nou: 20. f	Nou: 21. c
Quind. Marti. 29. 25. f	Nou: 26. a	Nou: 27. b	Nou: 28. e

Starre Cham-ber dayes. } Oftob: 14. 16. 21. 23. 28. 30.

                                      } Nouem: 4. 6. 11. 13. 18. 20. 25. 27.

## A Prognostication.

But in the Starre Chamber, Chauncery, Court of Wardes, and Court of Requests, they haue vie of none of these returnes, but onely the day of Apparance, which is quarto die post.

Yet note well if a *capias* Exigent, *fieri facias* or *Distringas* be executed by the Shriffe after the day of Essoyne, or a commission late vpon out of the said Courts, after the said day of Essoyne, it is neither iustifiable nor warrantable, but I will not intrude into the office of a Clarke, nor assume that soly to me (I meane the Tearmes, and their returnes) which euery artlesse Scribe, can ordinarily digest and determine, and therefore with Cicero, *Nolo ego, neque etiam si vellem possim inuadere in professione aliorum.*

## Twelue Prognostications, or experimental verities instead of Presages of 12. moneths.

### *Prognostication. I.*

**W**HO hates the Surples, and the corner cap,  
Puls crosses downe, the reuerent Bishops scorne,  
Makes all daies like, loues no aray but that  
Which in a selfe-conceited fashion's worne,  
Though he seeme pure, call Pope the Anti-christ.  
Beleeue him not 'tis a dissembling Priest.

### *Prognostication. II.*

**W**ho will not speake without a double fee,  
Perswades persistance in a naughty suite,  
Securing that he knowes can neuer bee,  
Yet by defects of Gold is stricken mute,  
Much shall he gaine, much get into his purse,  
Although his sonne may take another course!

*Prognostication*

## Hepton, 1612.

### *Prognostication. III.*

Who as a bryar, seekes to intrangle all,  
And *Judas* like intrudes in't euery cause,  
Not caring what damanations to him fall,  
So he may see friends wrangling in the lawes,  
Such Butterflies of discord now we haue,  
Which shall at last proue as an halting knaue.

### *Prognostication. IIII.*

Who seekes yong heyers, to intrap in bands,  
Deliuers wares, perswades them to be braue,  
Till he be well intic'd in their lands,  
And then all vilde extreammities will haue,  
Blame him if his owne sonne beg at the dore,  
Where he himseife in skarlet late before.

### *Prognostication. V.*

Who spider like, hanges nets in euery boie,  
To intangle those that meane no harme, no craft,  
And with his poyson so inuenomes all,  
That in a case distressed they be left.  
For their rewards, when they such seats haue done,  
God sends them oft an Idiot for their sonne.

### *Prognostication. VI.*

Who like an Ecco telleth all he heares,  
Smooths vp vntruthes to vndermine his friend  
Flyreth and faunes: applauding still appeares,  
Yet hath a reach of coulorage in the end,  
Beleeue him not for you shall proue him right,  
A Sycophant, and flatterer Parasite.

## A Prog nostication.

### *Prog nostication. VII.*

Who hath a friend and trusts him ne're the more,  
Who trusts of goods he hath not in his chest,  
Who hath a Gemme and keepes it not therefore,  
Who keepes ioy he likes not, as the best,  
The first's a foole, the next shall still go bare,  
Carelesse the third, the first and last shall share.

### *Prog nostication. VIII.*

Who spendeth all he gets, and keeps no store,  
Shall neither hurte his foe, or please his friend,  
Who so reserveth halfe his gayne, or more,  
Shall have enough to parte with at his end,  
But who spends more a day then's got in two,  
Shall soone goe beg for all his friends can doe.

### *Prog nostication. IX.*

When Ladies all the yeare one fashion love,  
And Gallants scorne the Mercers booke to vie,  
When purchasors no auncient rent improve,  
When golden bribes a Courtiour doth refuse,  
And widdowes wed for vertue not for wealth,  
Then shall ensue a gallant Common-wealth.

### *Prog nostication. X.*

When Cleargy-men no Benefice will buy,  
Nor yeeld the halfe vnto the Patrones share,  
Because the'ile not come in by Symony,  
And vicerers for interest do not care,  
Then shall good scholliers be preferred soone,  
Though shortly do ensue the day of doome.

*Prog nostication.*

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### *Prognostication. XI.*

VWhen London wines no Ladies Apes will be,  
And in no part do imitate their Tyers,  
But scorne a fanne and farthingall to see,  
And Cittizens will sell and be no lyers,  
Then none a hat of Taffety shall hate,  
And not a Bankrout liue within Ludgate.

### *Prognostication. XII.*

When no dissention is amongst Diuines,  
VWhen Lawyers scorne to haue a fee to speake,  
Good offices are gotten with our sine,  
Too oft Physitions visite those be weake,  
And London Stone is ouergrowne with Mosse,  
Then Puritans shal build vp Charing-crosse:

Let none be offended with these Prognostications, but if  
they be faulty, we speak not to the disgrace of particular sects,  
but for the reprehensio of such that abuse worthy professions:  
here is nothing draine from the grounds of Arte, but from  
the approbation of experience. he that canils herewith I shall  
iudge him guilty and he that is angry to see his owne vices,  
were best to amend, that he may reioyce in his new vertues: the  
fairest lawne may haue his brack, and the fairest Domgranat  
a rotten kernell, neither is there any Mistery so singular,  
but it may bee haunted with a bad professor, and such I thinke  
better pointed out, then the foulest day in the yeare, I know  
you shall haue enough to writte of the weather, and amongst  
all they will not misse a day, if they doe their fortune is the  
worst, and their agreement better then euer I yet saw it, for  
it is hard though many bullets be shot at randon if none hit  
the intended marke: when they can shoote point blanke, I will  
endeavour to practise with them. in the meane time it is bet-  
ter to be *Amanus sodalis*, rather then *Rusticus mendax*.

FINIS.





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